

#### Follistatin, mouse recombinant protein

FS, activin-binding protein, FSH-suppressing protein (FSP) Catalog # PBV10373r

#### **Specification**

#### Follistatin, mouse recombinant protein - Product info

Primary Accession P47931

Calculated MW 31.6 kDa KDa

## Follistatin, mouse recombinant protein - Additional Info

Gene ID 14313
Gene Symbol FST

**Other Names** 

FS, activin-binding protein, FSH-suppressing protein (FSP)

Gene Source Mouse Source E. coli

Assay&Purity SDS-PAGE; ≥90% Assay2&Purity2 HPLC; ≥90%

Recombinant Yes

Results 0.3 ug/mL

Sequence MGNCWLRQAK NGRCQVLTKT ELSKEECCST

GRLSTSWTEE DVNDNTLFKW MIFNGGAPNC IPCKETCENV DCGPGKKCRM NKKNKPRCVC APDCSNITWK GPVCGLDGKT YRNECALLKA RCKEQPELEV QYQGRCKKTC RDVFCPGSST CVVDQTNNAY CVTCNRICPE PASSEQYLCG NDGVTYSSAC HLRKATCLLG RSIGLAYEGK

CIKAKSCEDI QCTGGKKCLW DS

#### **Application Notes**

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

## **Format**

Lyophilized protein

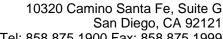
#### **Storage**

-20°C; Recombinant mouse Follistatin is lyophilized from 10 mM Na2PO4 + 50 mM NaCl, pH 7.5.

### Follistatin, mouse recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides





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- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## Follistatin, mouse recombinant protein - Images

# Follistatin, mouse recombinant protein - Background

Follistatin is an autocrine acting protein that is expressed by many tissues, but at noteably higher levels in the ovary and skin. Follistatin functions to negatively regulate the signaling of a wide variety of TGF-beta family members (activin, BMPs, myostatin, GDF-11 and TGF-beta 1). Mechanistically, follistatin works as an antagonist by complexing with TGF-beta family members to prevent them from interacting with their signaling receptors. Recombinant mouse follistatin is a nonglycosylated protein, containing 289 amino acids, with a molecular weight of 31.6 kDa.

## Follistatin, mouse recombinant protein - References

Albano R.M., et al. Development 120:803-813(1994). Tuuri T., et al. Endocrinology 135:2196-2203(1994).